

Nested loops :-

a loop inside a loop.

Syntax:-

```

for var in range(1): #outer loop
    for var in range(1): # inner loop
        statement inner loop
    statement outer loop.

```

write a program to print divisibles of given number using while loop.

30 = 1, 2, 3, 5, 6, 10, 15,

```

① num = int(input())
i = 1
while (i <= 30):
    if (num % i == 0):
        print(i)
    i = i + 1

```

```

② for i in range(1, 6, 1):
    for j in range(1, 6, 1):
        print(i, end=" ")
    print()

```

Output :-

```

1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
5 5 5 5 5

```

```

③ for i in range(1, 4, 1):
    for j in range(1, 11, 1):
        print(i*j, end=" ")
    print()

```

Output:-

```

1 2 3 4 5 6 7 8 9
2 4 6 8 10 12 14 16 18
3 6 9 12 15 18 21 24 27

```